

To: Ken Maas[kmaas@fs.fed.us]
Cc: Barton, Dana[Barton.Dana@epa.gov]; Riley, Gary[riley.gary@epa.gov]; Ferguson, Scott@Waterboards[scott.ferguson@waterboards.ca.gov]; DCarey@waterboards.ca.gov[DCarey@waterboards.ca.gov]; Brown, Anthony R (RM)[anthony.brown@bp.com]; Cohen, Adam[Adam.Cohen@dgsllaw.com]; Sandy Riese[sriese@ensci-inc.com]; Moore, Terry J[Terry.Moore@bp.com]; Starr, Robert[Robert.Starr@amecwf.com]; Jefferson, Jill[Jill.Jefferson@amecwf.com]; Grant Ohland - (gohland@ohlandhydrogeo.com)[gohland@ohlandhydrogeo.com]
From: Lombardi, Marc
Sent: Thur 9/14/2017 12:46:03 AM
Subject: Leviathan Mine - Focused Feasibility Study - Evaluation of Remedial Technologies for Leviathan Creek Beaver Dam pond Complex - Proposed Seed Mixture

Ken,

As you aware, Atlantic Richfield is conducting a Focused Feasibility Study within the Beaver Dam Pond Complex at the Leviathan Mine Site in Alpine County, California in accordance with a U.S. EPA approved work plan. The study area is within the on-property portion of Leviathan Creek downstream of the disturbed portion of the Leviathan Mine Site, within the Humboldt-Toiyabe National Forest. The study includes draining a number of beaver ponds, removing/breaching 3 beaver dams, constructing 2 gabion dams (for energy dissipation and retention of alluvial material) and establishing test plots to evaluate various erosion control measures for stabilizing sediments exposed in the drained beaver ponds. Most of the test plots will be seeded with native species. The proposed seed mix is shown below.

<u>Taxon</u>	<u>common name</u>	<u>lifeform</u>	<u>nativity</u>	<u>family</u>	<u>wetland</u>
Grasses					
Agrostis exarata	Bentgrass	Perennial grass	native	POACEAE	FACW
Elymus trachycaulus	Slender wheatgrass	Perennial grass	native	POACEAE	FAC
Glyceria elata	Tall mannagrass	Perennial grass	native	POACEAE	FACW
Rushes					
Juncus nevadensis	Sierra rush	Perennial grasslike herb	native	JUNCACEAE	FACW

Sedges

Carex nebrascensis	Nebraska sedge	Perennial grasslike herb	native	CYPERACEAE	ØBL
--------------------	----------------	--------------------------------	--------	------------	-----

Shrubs and Trees

Prunus virginiana var. demissa	Western choke cherry	Tree, Shrub	native	ROSACEAE	FACU
Salix exigua	Narrowleaf willow	Tree, Shrub	native	SALICACEAE	ÆFACW
Salix lemmonii	Lemmon's willow	Shrub	native	SALICACEAE	ÆFACW

Note: if the seed is not commercially available a replacement native species will be substituted.

We are planning to seed the test plots before the end of the 2017 field season, and ideally in early October. Therefore, we request that USFS review and approve the proposed seed mixture at their earliest convenience.

Should you have any questions or comments please contact Tony Brown at (657) 529-4537 or anthony.brown@bp.com.

Thanks,

Marc

Marc R. Lombardi, CEM, PG

Principal Geologist / Office Manager, Environment & Infrastructure Americas, Amec Foster Wheeler

10940 White Rock Road, Suite 190, Rancho Cordova, CA 95670, USA

D (916) 853-8903 M (916) 302-6326

marc.lombardi@amecfw.com amecfw.com

This message is the property of Amec Foster Wheeler plc and/or its subsidiaries and/or affiliates and is intended only for the named recipient(s). Its contents (including any attachments) may be confidential, legally privileged or otherwise protected from disclosure by law. Unauthorised use, copying, distribution or disclosure of any of it may be unlawful and is strictly prohibited. We assume no responsibility to persons other than the intended named recipient(s) and do not accept liability for any errors or omissions which are a result of email transmission. If you have received this message in error, please notify us immediately by reply email to the sender and confirm that the original message and any attachments and copies have been destroyed and deleted from your system. If you do not wish to receive future unsolicited commercial electronic messages from us, **please forward this email to: unsubscribe@amecfw.com and include "Unsubscribe" in the subject line.** If applicable, you will continue to receive invoices, project communications and similar factual, non-commercial electronic communications.

Please click <http://amecfw.com/email-disclaimer> for notices and company information in relation to emails originating in the UK, Italy or France.